

20030928.qrp v03_n057.qrl.20030928

Date: Sun, 28 Sep 2003 19:03:08 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3057

QRP-L Digest 3057

Topics covered in this issue include:

- 1) [158437] MQFD
by "Jim Sheldon" <w0eb@cox.net>
- 2) [158438] Re: BAD LUCK
by "philip wilcox" <pwilcox6042@wideopenwest.com>
- 3) [158439] Re: Dipole and Balun Confusion and Balanced Feedlines
by "James R. Duffey" <JamesDuffey@comcast.net>
- 4) [158440] Re: [fpqrp] Re: BAD LUCK
by "Jerry Ford" <benlightnd13@mchsi.com>
- 5) [158441] Re: Dipole and Balun Confusion and Balanced Feedlines
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 6) [158442] Re: Tiny enclosures?
by "David B. Sarraf" <david.sarraf@paonline.com>
- 7) [158443] Re: MQFD: no "Rules" posted
by Rick McKee <kc8aon@juno.com>
- 8) [158444] OT: 32kHz Xtal oscillators ckts?
by "Ian Wilson" <ianmwilson@earthlink.net>
- 9) [158445] West Florida QRP
by "Paul Womble" <pwomble@verizon.net>
- 10) [158446] Re: MQFD: "Rules" ; Sat PM prop
by "sslyon" <sslyon@megalink.net>
- 11) [158447] Re: Tiny enclosures?
by Kenneth Cooperstein <cprstn54@att.net>
- 12) [158448] My MQFD operation
by Rick McKee <kc8aon@juno.com>
- 13) [158449] Re: OT: 32kHz Xtal oscillators ckts?
by Cosy MUTO <jh5esm@hotmail.com>
- 14) [158450] Shortwave listening stuff . . .
by "Nils R. Young" <nilsbull@juno.com>
- 15) [158451] Re: [fpqrp] Re: MQFD: no "Rules" posted
by "philip wilcox" <pwilcox6042@wideopenwest.com>
- 16) [158452] Re: MQFD: "Rules" ; Sat PM prop
by "john_k7fd" <john_k7fd@cablespeed.com>
- 17) [158453] Re: West Florida QRP
by KU4YP <ku4yp@earthlink.net>
- 18) [158454] MQFD in WA
by "PHILIP DECAIRE" <pedecaire@email.msn.com>
- 19) [158455] MQFD Meets HFpack?

- by Stephen Wandling <stephen@SwiftsureConsulting.com>
- 20) [158456] Re: Tiny enclosures?
by Stephen Wandling <stephen@SwiftsureConsulting.com>
- 21) [158457] Re: Shortwave listening stuff . . .
by Garie Halstead K8KFJ <khyberpass65@yahoo.com>
- 22) [158458] Re: OT: 32kHz Xtal oscillators ckts?
by "Leon Heller" <leon_heller@hotmail.com>
- 23) [158459] Re: OT: 32kHz Xtal oscillators ckts?
by David Hinerman <WD8CIV@worldnet.att.net>
- 24) [158460] Re: MQFD Rules was: no "Rules" posted
by John Sielke <jsielke@pobox.com>
- 25) [158461] 10 is open nice !!!!
by "George Osier" <gosier@twcnny.rr.com>
- 26) [158462] Re: MQFD Rules was: no "Rules" posted
by "john_k7fd" <john_k7fd@cablespeed.com>
- 27) [158463] re: MQFD Rules was: no "Rules" posted
by "john_k7fd" <john_k7fd@cablespeed.com>
- 28) [158464] Good Signals on 15
by "Jerry Ford" <benlightnd13@mchsi.com>
- 29) [158465] fwd: BPL newspaper article
by Jim Eshleman <jce0@Lehigh.EDU>
- 30) [158466] Re: Good Signals on 15
by "john_k7fd" <john_k7fd@cablespeed.com>
- 31) [158467] Re: Good Signals on 15
by Al Scanandoah <k2zn@rochester.rr.com>
- 32) [158468] Re: fwd: BPL newspaper article
by "Dennis W. Farrell" <dennismw.farrell@verizon.net>
- 33) [158469] Re: fwd: BPL newspaper article
by "n3drk" <n3drk@triad.rr.com>
- 34) [158470] Re: MQFD Rules was: no "Rules" posted
by "John Sielke" <jsielke@pobox.com>
- 35) [158471] Re: fwd: BPL newspaper article
by "Brian Murrey" <brian@iquest.net>
- 36) [158472] Re: West Florida QRP
by Lee Boulineau <n4mvl@yahoo.com>
- 37) [158473] Re: fwd: BPL newspaper article
by "John Sielke" <jsielke@pobox.com>
- 38) [158474] Re: Tiny enclosures?
by Lee Boulineau <n4mvl@yahoo.com>
- 39) [158475] Re: fwd: BPL newspaper article
by bob evinger <wd9eka@evinger.com>
- 40) [158476] Re: BPL newspaper article
by "Thomas Kuehl" <ac7a@earthlink.net>
- 41) [158477] Open foot, insert mouth !! (was: BPL newspaper article)
by "Dennis W. Farrell" <dennismw.farrell@verizon.net>
- 42) [158478] Re: OT: 32kHz Xtal oscillators ckts?
by "Ian Wilson" <ianmwilson@earthlink.net>
- 43) [158479] Re: MQFD Rules was: no "Rules" posted

by Howard Oakley <hoakley@btconnect.com>
44) [158480] Re: fwd: BPL newspaper article
by "Trevor Jacobs" <kg6cyn@softhome.net>
45) [158481] Re: OT: 32kHz Xtal oscillators ckts?
by Steven Weber <kd1jv@moose.ncia.net>

Date: Sat, 27 Sep 2003 17:56:05 -0500
From: "Jim Sheldon" <w0eb@cox.net>
To: "QRP-L Mailing List" <qrp-l@Lehigh.EDU>,
"Flying Pigs Mailing List" <fpqrp-l@mpna.com>,
Subject: [158437] MQFD
Message-ID: <IBEGLCMLCDHHEFLBPHB00ECJCOAA.w0eb@cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey,

I didn't need no rules -- I just did like I was told in the original posting. I went out into the field (color that city park) and strung up antennas. I operated on 40, 30 and 20 meters with a big sloping delta loop, hung off an SD-20 fish pole with the horizontal leg of the loop almost on the ground, and just stretched between a couple of tent pegs for a while, and then switched to my PAC-12. The PAC-12 actually performed as well as the loop on most signals. Best contact of the afternoon was with W1EAT in Burlington, VT. Tom was running 5 watts and I was running 3 with my DSW-II-20. 439/449 signals both ways and we made a nice QSO out of it. I was using the Delta Loop for that one, and the major lobe was to the East. No rules, just fun! Worked a bunch of guys in the Texas and Alabama QSO parties also. I never signed /QRP at all for either of those contests, and everyone I called came back. Of course, I don't believe all the 599 signal reports, but that's just lazy testers with programmed memories in their keyers. Signals on both 20 and 40 were strange. Lots of weak signals, with an occasional one that would have you grabbing for the RF gain control before the ears blew. Funny thing, I had better luck working the weaker ones than I did with the S9+++++ ones. Guess when they put the amplifier on, they blow the front end out of the receivers. (Just kidding, but it sure seems that the guys running high power are all alligators. You know, "All mouth and no ears", just like some VHF repeaters I know.

All-in-all, it was a fun afternoon. Sunshine, cool breeze, temperature about 75F and breezy enough the bugs stayed away. Did have to lash the SD-20 to the picnic table cover to keep my gutter nail mount from blowing over. Can't wait till next month to do it again. Whoever came up with the idea for a casual QRP field day each month was right on. No rules - make up your own!

Jim - WOEB
Wichita, KS

Date: Sat, 27 Sep 2003 19:24:59 -0400
From: "philip wilcox" <pwilcox6042@wideopenwest.com>
To: "Rick McKee" <kc8aon@juno.com>, <fpqrp-1@mpna.com>,
<qrp-1@Lehigh.EDU>
Subject: [158438] Re: BAD LUCK
Message-ID: <005001c3854f\$f9ebda00\$f33a2f45@wowway.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rick,

All I could hear was RTTY and thunder boomers off in the distance. Of course I had to take time off to help Ohio State beat Northwestern.

Is this a two day event ?

I might have some time tomorrow afternoon to look for Pigs.

Phil

73, From Totus Porcus Columbus, Ohio EN801a
WB8ABE FP #61 MP - 12 MP + # - 12 QRP ARCI 11082
DIREKT VOM SCHREIBTSCH DES FLIEGENDES SCHWEIN

From: Rick McKee <kc8aon@juno.com>

> Anyone having any luck with MQFD ? We are having widespread
> thunderstorms here

Date: Sat, 27 Sep 2003 17:36:53 -0600
From: "James R. Duffey" <JamesDuffey@comcast.net>
To: <qrp-1@lehigh.edu>
Cc: <davetoepfer@yahoo.com>
Subject: [158439] Re: Dipole and Balun Confusion and Balanced Feedlines
Message-ID: <BB9B7B35.E294%JamesDuffey@comcast.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"

Content-transfer-encoding: 7bit

Dave - You ask some good questions.

A resonant dipole in free space will have an input impedance of about 70 Ohms. If you haven't taken a Physics course. free space is the lack of everything, ground, atmosphere, ionosphere, people, measuring devices and so on. It makes discussions easier and lets us concentrate on the Physics. If we introduce a ground below the dipole, the ground becomes part of the antenna system. It will couple to the antenna, it will become part of the antenna, it will radiate, and the impedance of the dipole feed point will change due to this coupling. Close to ground the antenna impedance is dominated by ground losses. The impedance of the dipole will vary between about 40 Ohms and 100 Ohms with a period of about a half wave as the antenna is raised above the ground. High above earth it trends toward the free space value of 70 Ohms. There is a good discussion of this in the ARRL Antenna Book.

You are correct in assuming that the dipole is a balanced antenna and should be fed with balanced feed line. Coax is not a balanced feed line. A one to one balun will remedy the situation. There are some situations of feeding a balanced antenna with an unbalanced line where a balun is not required, but in general it is good engineering practice to include one wherever a balanced to unbalanced transition is made.

Simple one to one baluns are easy to make. The ARRL Antenna Book and the Handbook both include instructions on making a simple balun from coiled coax. These are effective for feeding dipoles with coax. W1VT suggests winding a dozen turns of RG-58 (not the foamed version) on an FT-140-43 core to make an effective balun. Other recipes abound.

A good reference to get started on baluns is "Baluns, What they Do and How they Do It" by Roy Lewallen, W7EL, in "Antenna Compendium One", an ARRL publication. This will discuss the current vs. voltage balun issue. Both balun types transform impedance.

Now we can feed the dipole with balanced feedline. 70 Ohm balanced feed line has fallen out of favor and is hard to obtain these days. 300 Ohm and 450 Ohm feed line are readily available though. We can feed the dipole with these. The SWR will be high, but the losses will be relatively low due to the lower loss nature of the balanced lines over commonly used coax. This use requires a tuner in most applications, but has the advantage that it can now be used on more than one band, and if used with a low loss tuner it will be reasonably efficient on bands where it is at least a quarter wavelength long or longer.

One can handle the transition from the balanced antenna/feed line combination to 50 Ohm coax in several ways. The best approach, at least from

a low loss standpoint, is to use a balanced tuner such as Z-match, Johnson Matchbox, or link coupled tuner. One can use a balun as well. The transmission line acts like a transformer, so the impedance that is seen at the input will rarely be the characteristic impedance of the transmission line. A 1:1 balun can be used here as well, and is preferred to the 4:1 balun. The bead balun described in the Handbook will be satisfactory as will one based on a ferrite core.

The main problem with using a 4:1 balun arises with low impedances, such as presented by short antennas. Most antenna tuners are inefficient at matching low impedances and the 4:1 balun makes it worse.

In practice, at the fundamental resonant frequency of the antenna with typical feeder lengths, the losses of a balanced feeder based antenna system are not too much different than those from an antenna system fed with a matched coaxial line. The additional losses introduced by a balun and antenna tuner, while small are roughly equal to the additional losses in the coaxial feed line.

Balanced feed line is not inherently lower loss than coaxial feed line. The driving factor is the impedance of the feed line, with higher impedance feed lines having lower losses. That is the reason for lower losses with the balanced feed line used by hams, the higher impedance, not the fact that it is balanced.

If you don't have a handbook, you should get one. No ham that is curious should be without one. Many large bookstores carry them, or can order them for you. Or order direct from the league. If you can't afford a new one, used ones are commonly available at hamfests. The older ones deal with issues like these just as well (sometimes better) than do the newer ones. If you can't afford to buy a handbook, your local library likely has a copy or can get one for you through interlibrary loan. The ARRL Antenna Book is less widely available, but bookstores should be able to get you one, or again you can order it from the ARRL, or through interlibrary loan. If you are asking these types of questions, you should really own a handbook. Then you can ask better questions. :^)=

I hope that this helps. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
Cedar Crest NM 87009 DM65

James R. Duffey KK6MC/5
Cedar Crest NM 87009 DM65

Date: Sat, 27 Sep 2003 18:50:17 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-1" <qrp-1@lehigh.edu>, "FPigs" <fpqrp-1@mpna.com>
Subject: [158440] Re: [fpqrp] Re: BAD LUCK
Message-ID: <003f01c38552\$1b1e7820\$0077da0c@mchsi.com>

OK, Lem me see:

3 state QSO parties, an international RTTY test,
the MQFD, and the SSB gods all at the same time and all on MY freq.
< grin >

A poor little QRP piggie doesn't have a chance!!

I feel like their about to blow my house down !!

Hey Mikey, you gonna have a net tomorrow night??
Looks like the only chance we will have to t/w other piggies.

" Just shoot up amongst us. Somebodies got to have sum relief "

72 es oo Jerry NOJRN
----- Original Message -----
From: "philip wilcox" <pwilcox6042@wideopenwest.com>
To: "Rick McKee" <kc8aon@juno.com>; <fpqrp-1@mpna.com>;
<qrp-1@Lehigh.EDU>
Sent: Saturday, September 27, 2003 6:24 PM
Subject: [fpqrp] Re: BAD LUCK

> Rick,
>
> All I could hear was RTTY and thunder boomers off in the distance.
Of
> course I had to take time off to help Ohio State beat Northwestern.
>
> Is this a two day event ?
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> I might have some time tomorrow afternoon to look for Pigs.
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> Phil
> 73, From Totus Porcus Columbus, Ohio EN801a
> WB8ABE FP #61 MP - 12 MP + # - 12 QRP ARCI 11082
> DIREKT VOM SCHREIBTSCH DES FLIEGENDES SCHWEIN
>
> From: Rick McKee <kc8aon@juno.com>
>

> > Anyone having any luck with MQFD ? We are having widespread
> > thunderstorms here
>
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe
fpqrp-l -

Date: Sat, 27 Sep 2003 19:35:54 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <davetoepfer@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [158441] Re: Dipole and Balun Confusion and Balanced Feedlines
Message-ID: <00cb01c38569\$3d9856c0\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One of the first decision points for your question is whether you are using the dipole as a single band or a multi-band antenna. You implied single when you said it's a 50 ohm antenna.

That being the case, your point about the convenience of coax is well made and you should use coax and a choke type balun. The fairly minor mismatch and resulting SWR from deviating from resonance to the band edges isn't going to cause significant loss. For most practical situations, it will take a pretty huge SWR to cause problems with increased loss in coax.

For the type of choke balun, the one with multiple ferrite beads or sleeves over a length of coax, or coax taking multiple turns through a larger ferrite donut, seems easiest. The type where you wind a choke with the coax maybe be cheapest. Well, maybe just as easy too. The debate of solenoid wound (parallel turns on the two liter Coke bottle) versus scramble wound has generated a lot of heat. Suggest a search of the rec.radio.amateur.antenna newsgroup using Google to increase both your wisdom and level of confusion.

Using a dipole as an all-band antenna may cause some super high SWR and serious losses on some bands, so the ladder line is a good idea there. Careful choice of the length for multiple bands can make using coax still OK, if you avoid extreme SWRs. Not sure what's extreme, but 7:1 might be OK and 80:1 almost certainly is not.

The 4:1 balun is seldom going to have usefulness, since you're not likely to come up with an antenna with feedpoint resistance in the vicinity of 200

ohms. With ladder line, do your balancing act, if you feel the need, with a balanced tuner.

Verdict: Coax is easier. Ladder line looks cooler.

72--Nick, WA5BDU

----- Original Message -----

From: "David Toepfer" <davetoepfer@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, September 26, 2003 3:15 PM
Subject: Dipole and Balun Confusion and Balanced Feedlines

> So often I see depictions of dipoles as being fed by 50ohm coax, but I have
> read that a dipole is a balanced antenna with a practical impedance of 50ohms.
> If this is true it would be best to feed it with a balanced feedline like
> 450ohn ladder-line or 300ohm twin-lead. Of course, you then have the problem
> of impedance mismatch.

Date: Sat, 27 Sep 2003 20:29:07 -0400
From: "David B. Sarraf" <david.sarraf@paonline.com>
To: cprstn54@att.net
Cc: qrp-l@Lehigh.EDU
Subject: [158442] Re: Tiny enclosures?
Message-ID: <3F762B53.19511221@paonline.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Try potting enclosures. Farnell and others sell these. They are small, thin-wall plastic boxes intended to hold circuitry being potted. Some have mounting ears, others are plain. They are about the cheapest enclosures I have seen.

Dave Sarraf
N3NDJ

Date: Sat, 27 Sep 2003 20:41:42 -0400
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU
Subject: [158443] Re: MQFD: no "Rules" posted
Message-ID: <20030927.204143.9350.2.kc8aon@juno.com>

OK, so ya'll want rules huh ? Well OK, if you insist ! Here are the rules for MQFD:

1. Find a place out of the house (your backyard will do) that you can operate and still be classified as being in field operation. Operate out in the open, or from a field type of shelter, ie: tent, camper, cabin, cave, picnic shelter, hollow log etc, you get the picture.
2. Setup your qrp "field station" (qrp rig on non commercial power with field antenna) in location found in rule #1.
3. Operate 5 watts or less on CW, 10 watts or less on SSB, and 5 watts or less for the digital modes.
4. Decide on the time frame that you want to operate (Saturday only or all weekend) and then do it !
5. Make sure you have enough food and beverages, insect repellant, first aid supplies, sun screen etc to get you through the event.
6. Keep a log, and let everyone know how well you did after the event. And, be sure and tell us about any special equipment you used to get the task done, or new ideas you came up with to make field operation better and easier.
7. Get on the air and make QSO's ! A QSO shall consist of 2 or more stations exchanging information such as call signs, names, signal reports, location, club affiliation, technical jargon, general chit chat, and last but not least, state the fact that you are participating in the event to let others know about it.
8. Scheduling qso's before the event via email, snail mail, smoke signals etc is encouraged, scheduling qso's via 11 meters is strictly forbidden !
9. NO CONTEST TYPE QSO'S ALLOWED - PERIOD ! This is a get out of the house and relax event and is not to have the high stress environment of a contest involved. Hey ! You asked for rules, so don't blame me !
10. Now, you've got everything setup and ready to operate, just sit back, relax and enjoy Amateur Radio like you've never done before. You

can have normal conversation via radio can't you ? AH go ahead and try anyway ! You might just like it.

There you have it, the official rules for MQFD. To be operated the last Saturday or entire weekend of each month, starting at midnight (your local time) the last Friday of the month, and ending midnight (your local time) the last Sunday of the month, operator chooses his own time. Anyone that breaks these rules will immediately cease to sleep good at night due to the guilt, and your babies will be born naked and toothless ! And, if you don't forward this to at least 10 qrp'ers that are not on this list, your swr will automatically rise to a point that your final will blow !

Note: I have been giving some serious thought of changing the name of the event to the "Roll Your Own Field Day", and calling it "RYO" for short. Please vote on either keeping the name "MQFD", or changing it to "RYO".

Sincerely,
Rick KC8AON
Chief Kahuna of the MQFD/RYO Event

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sat, 27 Sep 2003 17:51:44 -0700
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [158444] OT: 32kHz Xtal oscillators ckts?
Message-ID: <000b01c3855a\$b3443b50\$1002a8c0@TrabucoIan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

I have a number of 32768Hz crystals that have been removed from various pieces of equipment, some of them working.

However, I've been unable to make any of them work using standard oscillator configurations that I know work with higher frequency crystals.

The typical application note that mentions these crystals suggests using

a CMOS (inverting) gate, biased into its linear range with a large resistor between output and input. A small resistor connect from output to one side of the xtal, the other side of the xtal going to the input. Both sides of the xtal connect via small caps (typically 6-15pF) to ground.

Using a 74HC gate with 200k feedback resistor, 220 ohm output resistor, and 12pF caps, this works happily with random xtals from the box (5MHz, 7MHz etc); but when I connect any of the small cylindrical xtals there is no sign of life.

What am I doing wrong? Must be having a blind spot, since the setup is so simple.

72 de ian, K3IMW/6

Date: Sat, 27 Sep 2003 21:15:36 -0400
From: "Paul Womble" <pwomble@verizon.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Cc: "'all Pigs'" <fpqrp-l@fpqrp.com>
Subject: [158445] West Florida QRP
Message-ID: <002401c3855e\$06120490\$6601a8c0@house>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Ok folks in Florida...here's your chance. There has been some talk of resurrecting the West Florida QRP get togethers. In the past meetings were held in Tampa...but there is nothing to say that meetings could not be moved around the area.

Please let me know if there is any interest...and we'll make it happen!

What will happen at a meeting? Meet, show off goodies, get some help with projects, and swap tall tales. Also getting together for some of the QRP operating events.

No agenda, no dues, no club politics, turf battles, or repeater groups trying to raise money. Just lots of fun!

What say?

Paul K4FB

Date: Sat, 27 Sep 2003 21:26:33 -0400
From: "sslyon" <sslyon@megalink.net>
To: <kc8aon@juno.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [158446] Re: MQFD: "Rules" ; Sat PM prop
Message-ID: <000701c3855f\$8dc21500\$41c7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Rick McKee" <kc8aon@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, September 27, 2003 8:41 PM
Subject: Re: MQFD: no "Rules" posted

> OK, so ya'll want rules huh ? Well OK, if you insist ! Here are the
> rules for MQFD:
(snip)

Uhhh... well ok... generally that's what I do anyway.
So.... let's see... why do we start an event called "Monthly QRP Field Day" as
an adjunct to Spartan Sprint? -maybe 'cuz some of us get a monthly attitude -or
what?

Anyway, I was out in the tent in the rain this afternoon and worked HB9, OK, and
a couple of others local. Heard Doc, K0EVZ but at e.s.p. levels. The switchable
antennas work great. Prop was sure dead tho. I'll wander up to the tent tonite
around 9:30 eastern and see what's happening.

73
seab
aa1my

Date: Sat, 27 Sep 2003 21:27:01 -0400
From: Kenneth Cooperstein <cprstn54@att.net>
To: "David B. Sarraf" <david.sarraf@paonline.com>
Cc: qrp-1@Lehigh.EDU
Subject: [158447] Re: Tiny enclosures?

Message-ID: <3F7638E5.90602@att.net>

MIME-version: 1.0

Content-type: text/plain; charset=ISO-8859-1; format=flowed

Content-transfer-encoding: 7BIT

David B. Sarraf wrote:

>Try potting enclosures. Farnell and others sell these. They are small,
>thin-wall plastic boxes intended to hold circuitry being potted. Some
>have mounting ears, others are plain. They are about the cheapest
>enclosures I have seen.

>

>Dave Sarraf

>N3NDJ

>

>

Thank you. mouser.com has some nice small ones with covers at around
\$1.40 per set. See:

<http://www.mouser.com/catalog/615/883.pdf>

With these, you can pull the wires through holes drilled in the ends.
Do the work. Attach the cable tie strain reliefs. Pull the wires
back. Put the cover on with silicone.

No more heat shrunk ugly bulges.

Ken KC2JDY

Date: Sat, 27 Sep 2003 21:41:54 -0400

From: Rick McKee <kc8aon@juno.com>

To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU

Subject: [158448] My MQFD operation

Message-ID: <20030927.214159.9350.4.kc8aon@juno.com>

Well, the day started out bad ! Got up a 6am and it was raining, then
came the tunder and lightening. It did this most of the morning, so I
took the xyl to Bob Evans for Brunch - biscuits, gravy, sausage, fried
tators & eggs - YUM ! Then went shopping - YUCK, then did grocery
shopping - DOUBLE YUCK ! Came home, helped put the groceries away, and
by then the rain had ceased, and no more lightening ! Got abt 2 inches
of rain today ! Gathered up my gear, went to the camper, setup my SW-40
& PAC-12 antenna, and the band is swamped with RTTY ! Found a few empty
spots & called cq several times - no answers - DRATS ! Switched to the
SW-20 & changed coil on PAC-12, hum - more civil on 20 ! Managed to work

only 3 qso's before giving up for the evening - didn't have fuel for the gas lantern and it was getting dark. I did have an oil lamp filled with citronella oil to keep the mosquitos away though ! Had fun while it lasted, may get back on tomorrow for some of the same !

Stations worked include:

AA1MY - Seab in Bethel, Maine (QRP & MQFD OP) Thanks Seab !

W7PFZ - Phil in Puyallup, Washington (FISTS) "good qso for 1.8 watts and a

PAC-12 sitting on the ground ! He was running 100 watts.

K1EJA - Ray in Biddeford, Maine - he was running 5 watts, not sure if he was MQFD'ing

Sure hope conditions & weather are better next month !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, SW-20+, Norcal BLT, Norcal Cascade, Yaesu FT-7,
Homebrew 6V6 tube TX & Hallicrafters SW500 RX
QRP-L #2112, FPqrp #33, AR QRP, AmQRP, Ohio Valley Fists
I'll give up CW when I'm dead ! MAYBE !

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Date: Sun, 28 Sep 2003 10:54:30 +0900
From: Cosy MUTO <jh5esm@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [158449] Re: OT: 32kHz Xtal oscillators ckts?
Message-ID: <0DjXrK549DCAFFFF.jh5esm@hotmail.com>
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Hi Ian,

Those cylindrical xtals are very different from AT cutting, their series resistor values (xtal loss) are much higher than standard HC18/49 xtals.

So, try other value of feedback resistor such as 470k or 1M.

Very high input impedance and gain are required for oscillator amplifier.

I don't have any suggestions for capacitor values, so some trials will be needed.

On Sat Sep 27 2003 - 20:51:44 EDT, Ian Wilson wrote;
> I have a number of 32768Hz crystals that have been removed from various
> pieces of equipment, some of them working.

AR
de JH5ESM, Cosy MUTO <see_my_web@homepage3.nifty.com>
<http://homepage3.nifty.com/jh5esm/>
TU VA

Date: Sat, 27 Sep 2003 21:48:34 -0400
From: "Nils R. Young" <nilsbull@juno.com>
To: QRP-L@lehigh.edu, huffstot@fe.unl.pt, Briagerg@aol.com,
SUDABAY@aol.com, wb8ceh@arrl.net, iyoung@nerdgod.com,
Subject: [158450] Shortwave listening stuff . . .
Message-ID: <20030927.215501.-524109.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Amigos,

Back somewhere around 1962 or so Dad bought me that ill-fated Hallicrafters S38E with which I learned to speak Spanish with a certain swagger & Cuban accent. One of the reasons I wanted the radio was to listen to Norwegian, which I was then (and still am) learning out of a book. Nowadays it's more like four or five books. The Norwegian shortwave broadcasts came out of a building on Bj rnstjerne Bj rnsonsgate in Oslo where Norsk Rikskringkasting had its offices and studios. I used to have a brochure about it.

Well, I learned today, while trying to figure out the reason for me having a Radio Denmark shortwave schedule & not having one for NRK, I discovered something that kinda put a perspective on things:

As of 31 December 2003, Norsk Rikskringkasting will cease all shortwave transmissions from their Sveio and Kvits y transmitter sites. They already rent time to Radio Denmark, and the info I found on their web site says something like they're cutting back "the number of shortwave transmissions to give more time to other broadcasters." I guess they rent time to other folks too . . . Radio Free Chechnya or something.

Good thing I have the web now. Otherwise I'd have to listen to Radio Denmark from a Norwegian transmitter site. Or Radio Sweden from the CBC transmitter site up on the little peninsula that hooks Nova Scotia to New Brunswick. Sackville, NB. I toured that site once. The Canadian one. Very neat stuff. Lots of mosquitos.

I don't think it'll be the same, downloading the programs on my computer, even if I use Cindy's roadrunner machine. Something about the selective fading and the static crashes in the background, not to mention the polar flutter, just makes it more . . . romantic.

And what am I listening to now as I type this? T rkiyenin sesi radyosu. Why? I like the music. Sometimes I can even make out the present progressive tense of a verb. When they read the news. Haber.

Maybe after I pick up my youngest from his first "date" (the high school "homecoming" dance) I'll put on the earphones and see if I can hear any weak signals coming through the RTTY on 40m.

73

Nils

. . . interesting juxtaposition of times, me remembering my first date & hearing Andy talk about how nervous he was . . . 15-year-old girls don't dress like they did when I was that age . . . but then my generation went on to use up all the fun . . .

Nils R. Bull Young -- W8IJN -- La Estancia de los Guajolotes Sonrientes
-- <http://w8ijn.tripod.com> -- <http://members.fortunecity.com/nilsbull>
--

"If you can see this, thank a trilobite!"

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Date: Sat, 27 Sep 2003 22:04:37 -0400
From: "philip wilcox" <pwilcox6042@wideopenwest.com>
To: "Rick McKee" <kc8aon@juno.com>, <fpqrp-1@mpna.com>, <qrp-1@Lehigh.EDU>
Subject: [158451] Re: [fpqrp] Re: MQFD: no "Rules" posted
Message-ID: <002e01c38565\$57c7aa40\$f33a2f45@wowway.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rick,
For a name;

Last Weekend of the Month Get Out of the House and Work Some QRP With the Bugs Non Contest.

LWNGOHWSQRPWBNC for short.

73, From Totus Porcus Columbus, Ohio EN801a
WB8ABE FP #61 MP - 12 MP + # - 12 QRP ARCI 11082
DIREKT VOM SCHREIBTSCH DES FLIEGENDES SCHWEIN

From: Rick McKee <kc8aon@juno.com>

>
> Note: I have been giving some serious thought of changing the name of
> the event to the "Roll Your Own Field Day", and calling it "RYO" for
> short. Please vote on either keeping the name "MQFD", or changing it to
> "RYO".

>
> Sincerely,
> Rick KC8AON
> Chief Kahuna of the MQFD/RYO Event

>
>
> -----
> The best thing to hit the internet in years - Juno SpeedBand!
> Surf the web up to FIVE TIMES FASTER!
> Only \$14.95/ month - visit www.juno.com to sign up today!
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-1 -
>

Date: Sat, 27 Sep 2003 19:59:41 -0700
From: "john_k7fd" <john_k7fd@cablespeed.com>
To: <sslyon@megalink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [158452] Re: MQFD: "Rules" ; Sat PM prop
Message-ID: <004e01c3856c\$90162b40\$3701a8c0@codeking>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

...worked Seab from his tent in thw woods at 0220Z tonight...his signal steadily improved throughout our 10 minute qso...

Unfortunately, it was only a one-way qrp qso as I was at 40w at the time...

73 John K7FD, with new Bug, edgy fist...

----- Original Message -----

From: "sslyon" <sslyon@megalink.net>

Subject: Re: MQFD: "Rules" ; Sat PM prop

> Anyway, I was out in the tent in the rain this afternoon and worked HB9, OK, and
> a couple of others local. Heard Doc, K0EVZ but at e.s.p. levels. The switchable
> antennas work great. Prop was sure dead tho. I'll wander up to the tent tonite
> around 9:30 eastern and see what's happening.
> 73
> seab
> aa1my

Date: Sat, 27 Sep 2003 23:21:03 -0400

From: KU4YP <ku4yp@earthlink.net>

To: pwomble@verizon.net,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [158453] Re: West Florida QRP

Message-ID: <5.2.1.1.0.20030927232017.009f0530@pop3.norton.antivirus>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

i'm in. great idea.

will be more than pleased to help in any way i can.

73 mike. ku4yp

At 09:15 PM 9/27/2003 -0400, Paul Womble wrote:

>Ok folks in Florida...here's your chance. There has been some talk of
>resurrecting the West Florida QRP get togethers. In the past meetings
>were held in Tampa...but there is nothing to say that meetings could not
>be moved around the area.
>
>Please let me know if there is any interest...and we'll make it happen!

>
>
>What will happen at a meeting? Meet, show off goodies, get some help
>with projects, and swap tall tales. Also getting together for some of
>the QRP operating events.
>
>No agenda, no dues, no club politics, turf battles, or repeater groups
>trying to raise money. Just lots of fun!
>
>What say?
>
>Paul K4FB

Michael D. Prevatt "Real Radios Glow in the Dark"
Amateur Callsign: KU4YP Advanced Operator
Lakeland, Florida
Home Page: <http://home.earthlink.net/~ku4yp/>
"What other dungeon is so dark as One's own heart?
What jailer so inexorable as One's own self?"
Nathaniel Hawthorne

Date: Sat, 27 Sep 2003 20:21:05 -0700
From: "PHILIP DECAIRE" <pedecaire@email.msn.com>
To: <qrp-l@Lehigh.EDU>
Subject: [158454] MQFD in WA
Message-ID: <00d601c3856f\$8e27e870\$ab512a43@grape>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Steve, N7BVY, and myself decided this was too good
an idea to not participate. After some planning,
we rendezvoused at the Tiger Mountain trailhead
just East of Issaquah, WA at 9 AM. The
destination was the 2522 foot (lowest) summit of
Tiger Mountain, a foothill of the Cascades just
East of Seattle. Although it is a small mountain
compared to most out here, the 3 mile walk with
about 2000 feet climb was all we wanted to do with
the heavy packs we carried! Crazy guys!

The day dawned crystal clear and slightly cool.
We've been having a run of perfect fall weather
for a week now. The big problems were how to stay

hydrated and cool and out of the sun. The biggest conundrum was knowing that evening grayline was probably the best band conditions, and that during midday there was going to be little action on 40M (its not like you folks back East are used to!) and 20M would be mediocre. After a lot of sweat we arrived at the top at noon and, having our priorities in order, immediately found a shady area in the trees and set about lunch.

As well as lunch, water, and hiking essentials, we carried up my 40M homebrew station (separate superhet RX, VFO TX, and 5 watt amp), my old HW-7, a 5 AH and a 7 AH battery, a couple keyers, a couple homebrew tuners, my SWR meter (with its 4 1/2 inch meter in a box larger than any respectable QRP rig!), multiple headphones, a couple homebrew EFHWA antenna kits, clip leads, a resistive SWR bridge, another SWR meter, a DMM, coax patch cords, tools, etc. There weren't many things we didn't have two of, but we were thinking possibly of getting both stations up at the same time, although that didn't happen.

The trees were short and dense, so it was an easy decision to string the end-fed half wave wire through some low branches at about the 8 foot level. A helpful rock and ten foot piece of cord assisted. (Yeah, that's not much of an antenna, but its probably better than what I have at home!) An 8 to 10 foot piece of wire was tossed on the ground behind us as the counterpoise. It tuned on 40 perfectly and also tuned well on 20M, so we never strung up the 20M EFHWA wire.

40M had just a teensy bit of background noise but no signals at all. (And I know for a fact the band is open, just nobody there - come on guys!) So we fired up the HW-7 on 20M. With the low noise level it was devilishly hard to peak the preselector until I stumbled into the TQP guys around 14050. Several of them were quite strong, and we called and called to no avail. Then ... a CQ! AL1F, who I answered but sort of botched the call due to problems with the skin resistance keyer paddle. And he came back on the first call - Bethel AK! YES! Not bad for about 2 watts into a piece of wire. One more contact was made

with a strong W7 station who turned out to be in Tacoma WA, line of sight from our antenna. But try as we might, we couldn't raise any of those Pesky Texans. So we switched rigs again and tried 40M. Steve made an armchair copy QSO with an OR station (NVIS propagation). More CQs but no answers. At 3:30 PM the band was obviously just starting to come to life - even a Texas station or two peaking above the noise - but it was time to pack up and head down. Those who backpack understand that going down isn't necessarily any easier or less tiring than going up, just a bit faster!

We didn't hear any other QRPers or MQFDers. We did notice the RTTY contest though. And we noticed the TQP. We didn't make a lot of QSOs, but thought it was pretty neat that we did get set up there and have a few QSOs. Had a lot of curious people looking over our setup and asking what we were doing. Does that get 100 points extra credit? Proof of concept. Next time we just need 30 lbs less apiece in the packs!

We think this is a great idea and will try to participate in the future. Thanks for the inspiration!

72's, Phil WB7AEI

Date: Sat, 27 Sep 2003 20:11:26 -0700
From: Stephen Wandling <stephen@SwiftsureConsulting.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [158455] MQFD Meets HFpack?
Message-ID: <3F76515E.2080904@SwiftsureConsulting.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 8bit

I don't know if anyone was on 17M today, but from the sound of this email I am forwarding from the HFpack group, there might have been some possibilities. I think they hang out on 18157.5kHz .

----- Original Message -----

Subject: [HFpack] Super Condx on 17 and 20 Meter HFpack Activity for

Saturday

Date: Sun, 28 Sep 2003 02:02:39 -0000

From: Bill P. <bprats@telis.org>

Reply-To: hfpack@yahoogroups.com

To: hfpack@yahoogroups.com

Great day for these battery portable stations. 17M was OPEN today and 5 watts still works!

K9CTF/P Allen on the beach watching his kids play in the water. Gulf of Mexico.

KC7KDZ SSB Hiking in North East Nebraska with an antenna up in the trees. 20 watts on battery.

WA4KBD/4 PSK-31 Portable sitting on a rivers edge in Alabama, super 1 hour QSO, how did he get the batteries to last that long on PSK. FT817, HFPacker Amp, Buddipole and more.

VE7TL/7 SSB FT817 bare foot, camping in the woods, portable 5 watts to a 80 meter zepp around 0100 UTC

.... Bill K6ACJ

<http://www.hfpack.com>

--

HFPack Calling Freqs: 18157.5kHz, 14342.5kHz, 5371.5kHz (USB)

--

Regards,

Stephen Wandling
Project Manager
Swiftsure Consulting

P: (604) 649-1418

F: (604) 648-8945

"The failure to strive for completeness is probably the most common failing in the thinking of all individuals. We focus our eyes on one small truth so hypnotically that we neglect all other truths."
Sam Keen

Date: Sat, 27 Sep 2003 09:54:05 -0700
From: Stephen Wandling <stephen@SwiftsureConsulting.com>
To: cprstn54@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [158456] Re: Tiny enclosures?
Message-ID: <3F75C0AD.6070702@SwiftsureConsulting.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 8bit

How about Tic Tac boxes or Dental Floss containers?

Kenneth Cooperstein wrote:

> I am looking for a dozen very small enclosures to hold wire junctions
> and maybe a small component or two. I would use cable ties on the
> inside as strain reliefs. 35mm film canisters would be OK if they were
> 1/2 the size. They don't have to be freebies. Any suggestions?

>
> Ken KC2JDY
>
>
>

--

Regards,

Stephen Wandling
Project Manager
Swiftsure Consulting

P: (604) 649-1418
F: (604) 648-8945

"The failure to strive for completeness is probably the most common failing in the thinking of all individuals. We focus our eyes on one small truth so hypnotically that we neglect all other truths."
Sam Keen

Date: Sat, 27 Sep 2003 21:23:25 -0700 (PDT)
From: Garie Halstead K8KFJ <khyberpass65@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [158457] Re: Shortwave listening stuff . . .
Message-ID: <20030928042325.65084.qmail@web60302.mail.yahoo.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- "Nils R. Young" <nilsbull@juno.com> wrote:

> I don't think it'll be the same, downloading the programs on my
> computer,
> even if I use Cindy's roadrunner machine. Something about the
> selective
> fading and the static crashes in the background, not to mention the
> polar
> flutter, just makes it more . . . romantic.

I totally agree.

> And what am I listening to now as I type this? T rkiyenin sesi
> radyosu.
> Why? I like the music. Sometimes I can even make out the present
> progressive tense of a verb. When they read the news.

Burasi Turkiyenin Sesi Radyosu (and yes, the Turkish music is great).
Even on my RS DX-398. HI

72, Gary -K8KFJ-
A long time VOT listener

Do you Yahoo!?
Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Sun, 28 Sep 2003 07:07:57 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: ianmwilson@earthlink.net, qrp-1@Lehigh.EDU
Subject: [158458] Re: OT: 32kHz Xtal oscillators ckts?
Message-ID: <Law15-F142VL45Vo0Nn00045c97@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Ian Wilson" <ianmwilson@earthlink.net>
>Reply-To: <ianmwilson@earthlink.net>
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

>Subject: OT: 32kHz Xtal oscillators ckts?
>Date: Sat, 27 Sep 2003 17:51:44 -0700
>
>I have a number of 32768Hz crystals that have been removed from various
>pieces of equipment, some of them working.
>
>However, I've been unable to make any of them work using standard
>oscillator configurations that I know work with higher frequency
>crystals.
>
>The typical application note that mentions these crystals suggests using
>a CMOS (inverting) gate, biased into its linear range with a large
>resistor between output and input. A small resistor connect from output
>to one side of the xtal, the other side of the xtal going to the input.
>Both sides of the xtal connect via small caps (typically 6-15pF) to
>ground.
>
>Using a 74HC gate with 200k feedback resistor, 220 ohm output resistor,
>and 12pF caps, this works happily with random xtals from the box (5MHz,
>7MHz etc); but when I connect any of the small cylindrical xtals there
>is no sign of life.
>
>What am I doing wrong? Must be having a blind spot, since the setup is
>so simple.

Try using one of the old 4000 series gates. I think they are more suitable
than 74HC. Those 32 kHz crystals can be rather tricky and some xtal
manufacturers have info on how to use them.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 423947
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller

Hotmail messages direct to your mobile phone <http://www.msn.co.uk/msnmobile>

Date: Sun, 28 Sep 2003 08:20:59 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [158459] Re: OT: 32kHz Xtal oscillators ckts?
Message-ID: <5.1.1.6.1.20030928081801.00b2dc08@postoffice.worldnet.att.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Ian,

I have a devil of a time getting 74HC gates to oscillate the way I want them to. They seem happier oscillating the way -they- want to.

Try a 4000-series CMOS gate, like a 4049. It has a slower response time, and might not be so annoyed at having to drive so slowly. (Grin)

Dave

At 05:51 PM 9/27/2003 -0700, you wrote:

>I have a number of 32768Hz crystals that have been removed from various
>pieces of equipment, some of them working.

>

>However, I've been unable to make any of them work using standard
>oscillator configurations that I know work with higher frequency
>crystals.

>

>The typical application note that mentions these crystals suggests using
>a CMOS (inverting) gate, biased into its linear range with a large
>resistor between output and input. A small resistor connect from output
>to one side of the xtal, the other side of the xtal going to the input.
>Both sides of the xtal connect via small caps (typically 6-15pF) to
>ground.

>

>Using a 74HC gate with 200k feedback resistor, 220 ohm output resistor,
>and 12pF caps, this works happily with random xtals from the box (5MHz,
>7MHz etc); but when I connect any of the small cylindrical xtals there
>is no sign of life.

>

>What am I doing wrong? Must be having a blind spot, since the setup is
>so simple.

>

>72 de ian, K3IMW/6

Dave Hinerman
WD8CIV@att.net

Date: Sun, 28 Sep 2003 09:17:03 -0400
From: John Sielke <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [158460] Re: MQFD Rules was: no "Rules" posted

Message-ID: <3F76DF4F.4070200@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

>

>

>Note: I have been giving some serious thought of changing the name of
>the event to the "Roll Your Own Field Day", and calling it "RYO" for
>short. Please vote on either keeping the name "MQFD", or changing it to
>"RYO".

>

I like MQFD.

There seems to be some confusion that MQFD was to be an adjunct to Spartan Sprint. I may be incorrect (but I don't think so!), MQFD was proposed by the MQFD Kahuna. I, being a type A personality(better than no personality at all), liked the idea of a "contest-type" operation. It was suggested that a 2 hour period of MQFD could be a "Saturday Outdoor Spartan Sprint." It is my understanding the the Spartan Sprint kahunas, not to be confused with the MQFD kahuna, pretty much passed on the idea. Anyway, it was an idea to have a Saturday Spartan Sprint as an adjunct to MQFD, not the other way around. (Kinda like truffle hunts, etc.)

Anyway, will set up next month somewhere different....and play radio on October 25. CW bands should be quiet as the CQ WW SSB Contest will be on. If 10 is open, the 10-10 CW contest will be going. Those masochists can even try some SSB QRP DX with the CQ Contest....

John W2AGN

Date: Sun, 28 Sep 2003 11:46:03 -0400
From: "George Osier" <gosier@twcnny.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [158461] 10 is open nice !!!!
Message-ID: <003001c385d7\$9faa3220\$74883a18@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all !!!!

Worked a bunch on 10 this morning ... Good to see it open again !!!!

Worked OK , DL and F5 .. Not rare DX but the band working , Running 5W to a Cushcraft AR-10 Ringo vertical up 25 ft from my TT Century 22

72s

George , N2JNZ

Date: Sun, 28 Sep 2003 09:04:02 -0700
From: "john_k7fd" <john_k7fd@cablespeed.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [158462] Re: MQFD Rules was: no "Rules" posted
Message-ID: <000901c385da\$2270ac00\$3801a8c0@codeking>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "John Sielke" <jsielke@pobox.com>

> MQFD was proposed by the MQFD Kahuna.

The BIG Kahuna as in Wayne Green? I see he proposed a monthly QRP FD on the last Saturday of each month...Sept 2003 issue, page 59. I was surprised when I still saw his magazine on the rack!! Even more surprised to find him promoting QRP!! And I thought he was losing his mind!

73 John K7FD

Date: Sun, 28 Sep 2003 09:05:52 -0700
From: "john_k7fd" <john_k7fd@cablespeed.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [158463] re: MQFD Rules was: no "Rules" posted
Message-ID: <000e01c385da\$63fdffb0\$3801a8c0@codeking>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wayne Green = 73 Magazine for the newbies...

73 John K7FD

----- Original Message -----

From: "john_k7fd" <john_k7fd@cablespeed.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, September 28, 2003 9:04 AM

Subject: Re: MQFD Rules was: no "Rules" posted

>

> ----- Original Message -----

> From: "John Sielke" <jsielke@pobox.com>

>

> > MQFD was proposed by the MQFD Kahuna.

>

>

> The BIG Kahuna as in Wayne Green? I see he proposed a monthly QRP FD on the

> last Saturday of each month...Sept 2003 issue, page 59. I was surprised when

> I still saw his magazine on the rack!! Even more surprised to find him

> promoting QRP!! And I thought he was losing his mind!

>

> 73 John K7FD

>

Date: Sun, 28 Sep 2003 11:25:20 -0500

From: "Jerry Ford" <benlightnd13@mchsi.com>

To: "qrp-1" <qrp-1@lehigh.edu>, "FPigs" <fpqrp-1@mpna.com>

Subject: [158464] Good Signals on 15

Message-ID: <003c01c385dd\$1c91f520\$0077da0c@mchsi.com>

Hey piggies, we can get away from all the testers on 15 mtrs.
Some good signals on 15 this morning.

I'm listening and calling on 21.059

72 es oo Jerry N0JRN

FP # 546, ARS # 923, ARCI # 11049, ARRL,

Springfield, Mo. MP + #8

Date: Sun, 28 Sep 2003 12:52:01 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: qrp-1@Lehigh.EDU
Subject: [158465] fwd: BPL newspaper article
Message-ID: <3F7711B1.30300@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

[This is from Tony, N2TK...BTW this was at the top of the front page of the area's largest newspaper - the big Sunday edition]

Here is an article from a newspaper in the Allentown, PA area.
N2TK, Tony

<http://www.mcall.com/news/local/all-a1_5net-glitchsep28,0,2293904.story?coll=all-news-hed>

Date: Sun, 28 Sep 2003 09:38:41 -0700
From: "john_k7fd" <john_k7fd@cablespeed.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [158466] Re: Good Signals on 15
Message-ID: <001601c385de\$fa18f780\$3801a8c0@codeking>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

10 is also wide open!! :)

73 John K7FD

----- Original Message -----

From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, September 28, 2003 9:25 AM
Subject: Good Signals on 15

> Hey piggies, we can get away from all the testers on 15 mtrs.

> Some good signals on 15 this morning.
>
> I'm listening and calling on 21.059
>
> 72 es oo Jerry N0JRN
> FP # 546, ARS # 923, ARCI # 11049, ARRL,
> Springfield, Mo. MP + #8
>
>
>

Date: Sun, 28 Sep 2003 13:17:19 -0400
From: Al Scanandoah <k2zn@rochester.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [158467] Re: Good Signals on 15
Message-ID: <3F77179F.5040708@rochester.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

12m has come to life as well. I even heard something akin to a pileup!

Al, K2ZN

john_k7fd wrote:
> 10 is also wide open!! :)
>
> 73 John K7FD
>

Date: Sun, 28 Sep 2003 10:21:16 -0700
From: "Dennis W. Farrell" <dennisw.farrell@verizon.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [158468] Re: fwd: BPL newspaper article
Message-ID: <5.2.1.1.0.20030928101652.02a9eb48@incoming.verizon.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

As I tried to read this from the point of view of the average,
non-technical person not involved with our hobby the word "amateur" stuck
out like a sore thumb -- as in "amateur? what do they know?"

I wonder if it's time to become the "American Radio Relay League" and find a replacement for the word "Amateur". I know that "Amateur Radio Relay League" has brand recognition amongst the cognoscenti but I suspect the rest of the country might not have much of a clue of the implications.

Hope this isn't too far off-topic.

Thanks for the bw -- dwf

At 9/28/2003 09:52, Jim Eshleman wrote:

>[This is from Tony, N2TK...BTW this was at the top of the front page of
>the area's largest newspaper - the big Sunday edition]

>

>Here is an article from a newspaper in the Allentown, PA area.

>N2TK, Tony

>

>

><[http://www.mcall.com/news/local/all-a1_5net-glitchsep28,0,2293904.story?](http://www.mcall.com/news/local/all-a1_5net-glitchsep28,0,2293904.story?coll=all-news-hed)
>coll=all-news-hed>

>

Date: Sun, 28 Sep 2003 14:25:10 -0400

From: "n3drk" <n3drk@triad.rr.com>

To: <dennisw.farrell@verizon.net>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [158469] Re: fwd: BPL newspaper article

Message-ID: <038901c385ed\$da25a770\$6400a8c0@n3drk>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Dennis,

It is the American Radio Relay League.

john

----- Original Message -----

From: "Dennis W. Farrell" <dennisw.farrell@verizon.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Sunday, September 28, 2003 1:21 PM

Subject: Re: fwd: BPL newspaper article

> As I tried to read this from the point of view of the average,
> non-technical person not involved with our hobby the word "amateur" stuck
> out like a sore thumb -- as in "amateur? what do they know?"
>
> I wonder if it's time to become the "American Radio Relay League" and find
> a replacement for the word "Amateur". I know that "Amateur Radio Relay
> League" has brand recognition amongst the cognoscenti but I suspect the
> rest of the country might not have much of a clue of the implications.
>
> Hope this isn't too far off-topic.
>
> Thanks for the bw -- dwf
>
> At 9/28/2003 09:52, Jim Eshleman wrote:
> >[This is from Tony, N2TK...BTW this was at the top of the front page of
> >the area's largest newspaper - the big Sunday edition]
> >
> >Here is an article from a newspaper in the Allentown, PA area.
> >N2TK, Tony
> >
> >
>
><http://www.mcall.com/news/local/all-a1_5net-glitchsep28,0,2293904.story?coll=all-news-hed>
> >
>
>
>

Date: Sun, 28 Sep 2003 14:27:43 -0400
From: "John Sielke" <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [158470] Re: MQFD Rules was: no "Rules" posted
Message-ID: <3F76EFDF.20225.817F0E@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

>
> > MQFD was proposed by the MQFD Kahuna.
> The BIG Kahuna as in Wayne Green? I see he proposed a monthly QRP FD on the
> last Saturday of each month...Sept 2003 issue, page 59. I was surprised when I
> still saw his magazine on the rack!! Even more surprised to find him promoting

> QRP!! And I thought he was losing his mind! 73 John K7FD

That's right! I had forgotten Wayne's column. That explains it. W2NSD proposes it, and W2AGN says it's a good idea.

Doomed! Probably the few that read 73 are the few that haven't put W2AGN in their email filters.

John W2AGN

Date: Sun, 28 Sep 2003 13:29:13 -0500
From: "Brian Murrey" <brian@iquest.net>
To: <dennisw.farrell@verizon.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [158471] Re: fwd: BPL newspaper article
Message-ID: <00bc01c385ee\$6b41a240\$1564030a@bjmw2k>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

ARRL does equal American Radio Relay League

Just not too sure about how much relay is still involved, outside of traffic nets anyway.

----- Original Message -----

From: "Dennis W. Farrell" <dennisw.farrell@verizon.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, September 28, 2003 12:21 PM
Subject: Re: fwd: BPL newspaper article

> As I tried to read this from the point of view of the average,
> non-technical person not involved with our hobby the word "amateur"
stuck
> out like a sore thumb -- as in "amateur? what do they know?"
>
> I wonder if it's time to become the "American Radio Relay League" and
find
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Relay
> League" has brand recognition amongst the cognoscenti but I suspect
the
> rest of the country might not have much of a clue of the implications.

>
> Hope this isn't too far off-topic.
>
> Thanks for the bw -- dwf
>
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> >the area's largest newspaper - the big Sunday edition]
> >
> >Here is an article from a newspaper in the Allentown, PA area.
> >N2TK, Tony
> >
> >
>
><http://www.mcall.com/news/local/all-a1_5net-glitchsep28,0,2293904.story?coll=all-news-hed>
> >
>
>
>
>

Date: Sun, 28 Sep 2003 11:31:09 -0700 (PDT)
From: Lee Boulineau <n4mvl@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [158472] Re: West Florida QRP
Message-ID: <20030928183109.17413.qmail@web21205.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Count me in!!

72 de
Lee N4MVL

>
> At 09:15 PM 9/27/2003 -0400, Paul Womble wrote:
> >Ok folks in Florida...here's your chance. There
> has been some talk of
> >resurrecting the West Florida QRP get togethers.
> In the past meetings
> >were held in Tampa...but there is nothing to say
> that meetings could not
> >be moved around the area.

> >
> >Please let me know if there is any interest...and
> we'll make it happen!
> >
> >
> >What will happen at a meeting? Meet, show off
> goodies, get some help
> >with projects, and swap tall tales. Also getting
> together for some of
> >the QRP operating events.
> >
> >No agenda, no dues, no club politics, turf battles,
> or repeater groups
> >trying to raise money. Just lots of fun!
> >
> >What say?
> >
> >Paul K4FB
>
> Michael D. Prevatt "Real Radios Glow in the
> Dark"
> Amateur Callsign: KU4YP Advanced Operator
> Lakeland, Florida
> Home Page: <http://home.earthlink.net/~ku4yp/>
> "What other dungeon is so dark as One's own heart?
> What jailer so inexorable as One's own self?"
> Nathaniel Hawthorne
>

Do you Yahoo!?
The New Yahoo! Shopping - with improved product search
<http://shopping.yahoo.com>

Date: Sun, 28 Sep 2003 14:34:10 -0400
From: "John Sielke" <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [158473] Re: fwd: BPL newspaper article
Message-ID: <3F76F162.13877.876617@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

>
> I wonder if it's time to become the "American Radio Relay League" and find a
> replacement for the word "Amateur". I know that "Amateur Radio Relay League"
> has brand recognition amongst the cognoscenti but I suspect the rest of the
> country might not have much of a clue of the implications.

Well, HPM founded it in 1914 as the "American Radio Relay League." I wasn't aware the name had changed. Is it possible the "cognoscenti" are in error using "Amateur" vice "American?"

John W2AGN

Date: Sun, 28 Sep 2003 11:38:21 -0700 (PDT)
From: Lee Boulineau <n4mvl@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [158474] Re: Tiny enclosures?
Message-ID: <20030928183821.81290.qmail@web21201.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Pharmacy (Chemist bottles) - they come in
6,6,13,16,20,30,40, and 60 dram sizes!!

?
>
> Kenneth Cooperstein wrote:
>
> > I am looking for a dozen very small enclosures to
> hold wire junctions
> > and maybe a small component or two. I would use
> cable ties on the
> > inside as strain reliefs. 35mm film canisters
> would be OK if they were
> > 1/2 the size. They don't have to be freebies. Any
> suggestions?
> >
> > Ken KC2JDY
> >
> >
> >
>
> --
> Regards,
>

> Stephen Wandling
> Project Manager
> Swiftsure Consulting
>
> P: (604) 649-1418
> F: (604) 648-8945
>
> "The failure to strive for completeness is probably
> the most common failing in the thinking of all
> individuals. We focus our eyes on one small truth so
> hypnotically that we neglect all other truths."
> Sam Keen
>
>
>

Do you Yahoo!?
The New Yahoo! Shopping - with improved product search
<http://shopping.yahoo.com>

Date: Sun, 28 Sep 2003 13:42:46 -0500 (CDT)
From: bob evinger <wd9eka@evinger.com>
To: "Dennis W. Farrell" <dennisw.farrell@verizon.net>
Cc: qrp-l@lehigh.edu
Subject: [158475] Re: fwd: BPL newspaper article
Message-ID: <Pine.LNX.4.44.0309281341370.25964-100000@aprs2>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

??? ARRL does stand for the American Radio Relay League. ???
I will admit that even after 26 years of this I still slip and say it the
other way once in a great while though.

bob

On Sun, 28 Sep 2003, Dennis W. Farrell wrote:

> As I tried to read this from the point of view of the average,
> non-technical person not involved with our hobby the word "amateur" stuck
> out like a sore thumb -- as in "amateur? what do they know?"
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> >
> >
> ><http://www.mcall.com/news/local/all-a1_5net-glitchsep28,0,2293904.story?coll=all-news-hed>
> >
>
>

--

Bob Evinger EMT-I WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.

Date: Sun, 28 Sep 2003 12:00:45 -0700
From: "Thomas Kuehl" <ac7a@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [158476] Re: BPL newspaper article
Message-ID: <001a01c385f2\$d2f4bc20\$120110ac@texas6oef4glwm>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If the BPL industry is so convinced that they will not interfere with other communications services, why don't they post a few billion dollar bond as a vote of confidence in themselves to deliver this non-interfering product? It can then be used to pay for the system upgrades they will have to do when they trash the entire 1.7MHz to 80MHz spectrum.

Let's just hope the NITA is fair about this issue. Despite the rigor the FCC has held us all to across the years, they are now kissing the rear-ends of the power industry without any regard for the rest of the services. I blame the stinking bureaucrats who have been appointed and don't have a clue; Powell, Abernathy, etc.

Sorry about my rant, but I am disgusted with an FCC that has always held me to a higher standard.

Regards, Thomas - AC7A (Tucson)

----- Original Message -----

From: "Jim Eshleman" <jce0@Lehigh.EDU>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, September 28, 2003 9:52 AM

Subject: fwd: BPL newspaper article

> [This is from Tony, N2TK...BTW this was at the top of the front page of
> the area's largest newspaper - the big Sunday edition]

>

> Here is an article from a newspaper in the Allentown, PA area.

> N2TK, Tony

>

>

>

<http://www.mcall.com/news/local/all-a1_5net-glitchsep28,0,2293904.story?col1=all-news-hed>

>

>

Date: Sun, 28 Sep 2003 12:07:47 -0700

From: "Dennis W. Farrell" <dennisw.farrell@verizon.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [158477] Open foot, insert mouth !! (was: BPL newspaper article)

Message-ID: <5.2.1.1.0.20030928120117.02431d50@mail.ridgenet.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Obviously I keyed (bad word?) in on the wording in the newspaper article waaaaay to much. Just proves that "printed" isn't "correct"

Been an ARRL member for some years, but had a lapse on this one.

Thanks for the gentle courteous corrections.

-- dwf

Date: Sun, 28 Sep 2003 12:28:25 -0700
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [158478] Re: OT: 32kHz Xtal oscillators ckts?
Message-ID: <000b01c385f6\$b305d9e0\$1002a8c0@TrabucoIan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Got a number of helpful responses on this one.

The secret turned out to be that the resistor between the output of the gate and the appropriate capacitor to ground has to provide some phase shift for the circuit to oscillate at the correct frequency. Using a 10M biasing resistor, and a 330k output resistor, together with the original capacitor values made the circuit work at 32768Hz.

This is using one gate of a 74HC86 with the spare input tied high. Several people suggested using a 4000 series CMOS gate. Probably a good idea, since the 'HC86 does want to oscillate at various other frequencies, some of them VHF!

With the values I tried, the circuit is somewhat marginal (takes a few seconds to come up to full amplitude with one crystal I tried), so I would counsel some investigation before using 'my' values.

Once again, a great response from this terrific list (and also solved my mystery:)).

72 de ian, K3IMW/6

Date: Sun, 28 Sep 2003 20:15:03 +0100
From: Howard Oakley <hoakley@btconnect.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [158479] Re: MQFD Rules was: no "Rules" posted
Message-ID: <BB9CF1C7.1C883%hoakley@btconnect.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

On 28/9/03 2:17 pm, John Sielke wrote:

> Anyway, will set up next month somewhere different....and play radio on
> October 25. CW bands should be quiet as the CQ WW SSB Contest will be
> on. If 10 is open, the 10-10 CW contest will be going. Those masochists
> can even try some SSB QRP DX with the CQ Contest....

As a newbie (only unleashed on HF since the removal of the Morse requirement in July), I'd appreciate a steer please on whether anyone over this side of the Atlantic takes part, particularly using SSB. I listened on 15 m and although I had the seawater on the wrong side of me, North Americans were booming in during the Scandinavian contest, but (as always) I seemed to be the only QRP station around. Worked QRO stations OH, OH0, SM, W2, CU though - another nice comment (from W2) 'a couple of weeks ago I worked someone who was only running 25 watts, but 5 watts into New Jersey is amazing!'. Heard but missed HS, XE, W7, ZS...

A little info about me - former 2 m DXer (and will return next year) with particular interest in propagation, thought it would be a good way to get my head around HF propagation by attempting DXCC QRP on SSB. So far so good, with 27 entities including V51 (strangely also v strong on 15 m today), UN, PY - two QSOs exceeding 1000 miles per watt. I only work QRP when /P - with FT-817 and range of antennas from wires to (testing this weekend) Force 12 Sigma 40-XK. Living on an island, I use beaches and cliffs with sea take-offs to assist. Home QTH work QRO (100 W) because I live at the bottom of a deep valley with high downs to E, S and W :-(Oh - and I am learning Morse now, just to be contrary and to aim for the second hundred entities on CW.

I hope to be working QRP from a beach with a N-E seawater take-off during next weekend's Oceania contest, probably using the Force 12 vertical again. If anyone wants to arrange a sked then or at any other time (weekends preferred) please email me. I'd just love some two-way QRP QSOs...

72,
Howard.

Dr Howard Oakley	* hoakley@btconnect.com
EHN & DIJ Oakley	* howard@quercus.demon.co.uk
Isle of Wight, UK	* GPRS email howardo@orange.net
	* mobile (& SMS) +44 7811 326837
M1BWR (IO90J0, EU-120)	* home voice +44 1983 853605
Active from 80 m to 23 cm	* http://www.quercus.demon.co.uk

Date: Sun, 28 Sep 2003 14:28:31 -0700
From: "Trevor Jacobs" <kg6cyn@softhome.net>
To: dennisw.farrell@verizon.net,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [158480] Re: fwd: BPL newspaper article
Message-ID: <01db01c38607\$7a01d7a0\$9b32b3d1@etclink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Dennis,

Yes, the author of the article misquoted what ARRL stands for. I sent him a quick e-mail with the correct name "American Radio Relay League". I also commended him for his effort in making the public more aware of this issue.

73's Trev KG6CYN

<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: "Dennis W. Farrell" <dennisw.farrell@verizon.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, September 28, 2003 10:21 AM
Subject: Re: fwd: BPL newspaper article

> As I tried to read this from the point of view of the average,
> non-technical person not involved with our hobby the word "amateur" stuck
> out like a sore thumb -- as in "amateur? what do they know?"
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>
> Hope this isn't too far off-topic.
>
> Thanks for the bw -- dwf
>

Date: Sun, 28 Sep 2003 17:54:16 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: <ianmwilson@earthlink.net>
Cc: qrp-l@lehigh.edu

Subject: [158481] Re: OT: 32kHz Xtal oscillators ckts?
Message-ID: <3.0.6.32.20030928175416.007d7100@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I have a number of 32768Hz crystals that have been removed from various
>pieces of equipment, some of them working.
>
>However, I've been unable to make any of them work using standard
>oscillator configurations that I know work with higher frequency
>crystals.

I find that I have to use a large (.001u) cap on the input side of the xtal
to make it oscillate with the inverter circuit. And it takes a looong time
to start..

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

End of QRP-L Digest 3057

